

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L1 | 22130 | cvd near5 sputtering | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/11 10:49 |
| L2 | 1282 | pecvd near4 sputtering | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/11 10:50 |
| L3 | 59 | (gas adj discharge)and (electrode with coating with sputtering) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/11 11:09 |
| L4 | 2 | ("4433354" "4466043").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/11 10:58 |
| L5 | 0 | (gas adj discharge)and (electrode with (carbon adj coating) with ((physical adj vapor adj deposition)and sputtering))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/11 11:11 |
| L6 | 1 | (gas near4 discharge)and (electrode with (carbon adj coating) with sputtering)and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/11 11:50 |
| L7 | 635 | (313/574,567,231.11).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/11/11 11:51 |
| S1 | 26 | (gas adj discharge adj tube) and electrode with (carbon graphite) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 17:16 |
| S2 | 0 | (gas adj discharge adj tube) and electrode with (cheminally adj inert adj surface) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 12:09 |
| S3 | 0 | (gas adj discharge) and (electrode with (cheminally adj inert adj surface)) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 12:10 |
| S4 | 0 | (gas adj discharge) and (electrode with (cheminally adj inert)) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 12:10 |
| S5 | 0 | (gas adj discharge) and (electrode with (chemically adj inert adj surface)) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 12:10 |
| S6 | 8 | (gas adj discharge) and (electrode with (chemically adj inert)) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 14:38 |
| S7 | 2 | (gas adj discharge) and electrode and (chemically adj inert adj (surface coating)) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 14:41 |
| S8 | 1 | ("4672259").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2002/10/31 14:41 |

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| S9 | 2 | "4672259".URPN. | USPAT | OR | OFF | 2002/10/31 14:44 |
| S10 | 340 | electrode with ((carbon graphite) adj layer) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 14:49 |
| S11 | 10 | (electrode with ((carbon graphite) adj layer)) and (gas adj discharge) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 15:04 |
| S12 | 2 | (electrode with ((carbon graphite) adj layer)) and (titanium) and (gas adj discharge) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:09 |
| S13 | 6 | "4407849" | US-PGPUB; USPAT | OR | OFF | 2002/10/31 15:27 |
| S14 | 4 | "4407849".URPN. | USPAT | OR | OFF | 2002/10/31 15:27 |
| S15 | 1 | electrode with (coating near (carbon and (titanium chromium))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:33 |
| S16 | 0 | (spark adj gap adj electrode) and (non adj emissive adj coating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:34 |
| S17 | 3 | (spark adj gap) and electrode and (non adj emissive adj coating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:35 |
| S18 | 0 | (surge adj arrester) and electrode and (non adj emissive adj coating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:35 |
| S19 | 0 | electrode and (chemically adj inert adj (surface layer coating)) and (non adj (emission emissive)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:41 |
| S20 | 29 | "3604970" | US-PGPUB; USPAT | OR | OFF | 2002/10/31 15:39 |
| S21 | 0 | (chemically adj inert adj (surface layer coating)) and (non adj (emission emissive)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 15:42 |
| S22 | 0 | (chemically adj inert adj surface) with (non adj emissive adj (layer coating surface)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:08 |
| S23 | 76 | chemically adj inert adj surface | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:08 |
| S24 | 0 | (chemically adj inert adj surface) and (electron adj emissive) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:10 |

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| S25 | 0 | (chemically adj inert adj surface) and (electron adj emission) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:10 |
| S26 | 0 | (chemically adj inert adj surface) and (secondary adj emission) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:11 |
| S27 | 76 | (chemically adj inert adj surface) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:14 |
| S28 | 14 | (chemically adj inert adj surface) and (carbon graphite) and (titanium chromium) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:41 |
| S29 | 0 | (gas adj discharge) and (electrode with (non adj emission)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:43 |
| S30 | 489 | (gas adj discharge) and (electrode with (emission)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:44 |
| S31 | 11 | (gas adj discharge) and (electrode with (emission)) and carbon and titanium | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:45 |
| S32 | 19 | (arc adj discharge) and (electrode with (emission)) and carbon and titanium | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:46 |
| S33 | 0 | electron adj non adj emissive adj coating | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:47 |
| S34 | 11 | non adj emissive adj coating | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 16:59 |
| S35 | 5949 | coating with ((carbon graphite diamond) and (Titanium chromium)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 17:03 |
| S36 | 39 | coating with ((carbon graphite diamond) and (Titanium chromium)) and (gas adj discharge) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 17:06 |
| S37 | 85 | coating with (carbon) and (Titanium chromium) and (gas adj discharge) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2002/10/31 17:07 |
| S38 | 1 | ("3604970").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2002/10/31 17:35 |
| S39 | 0 | ("(electrodewith(carbonadjcoating))with(vaporadjdeposition)").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2002/10/31 17:37 |
| S40 | 0 | ("(electrodewith(carbonadjcoating))and(vaporadjdeposition)").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2002/10/31 17:36 |

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| S41 | 0 | ("(electrodewith(coating)and(vapo radjdeposition)").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2002/10/31 17:37 |
| S42 | 1 | (electrode with (carbon adj coating)) with (vapor adj deposition) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 17:39 |
| S43 | 4 | (electrode with (carbon adj coating)) with (cvd pvd) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 17:41 |
| S44 | 0 | (electrode with (carbon adj coating)) and (cvd pvd) and (gas adj discharge adj tube) | US-PGPUB; USPAT | OR | OFF | 2002/10/31 17:42 |
| S45 | 0 | electrode with (inert adj coating) with (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:46 |
| S46 | 38 | electrode with (coating) with (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:47 |
| S47 | 0 | electrode with (carbon adj coating) with (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:47 |
| S48 | 4 | electrode with (carbon adj coating) and (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:49 |
| S49 | 13 | (gas adj discharge)and (electrode with coating)and (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:52 |
| S50 | 1 | (surge adj arrester)and (electrode with coating)and (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:53 |
| S51 | 422 | (electrode with coating)and (physical adj vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/25 17:57 |
| S52 | 4 | ((("3,604,970") or ("6,071,797") or ("5,616,373") or ("5,547,714"))). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/25 18:18 |
| S53 | 1 | ("4672259").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/25 18:19 |
| S54 | 1 | ("4407849").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/25 18:22 |
| S55 | 4 | "4407849".URPN. | USPAT | OR | OFF | 2004/05/25 18:20 |
| S56 | 342 | ((surge adj arrester)(surge adj protector)).ti. | US-PGPUB; USPAT | OR | OFF | 2004/05/25 18:46 |
| S57 | 3 | ("4266260" "4769736" "5892648").PN. | USPAT | OR | OFF | 2004/05/25 18:44 |
| S58 | 105 | ("361"/\$.ccls.)and coating and (physical adj vapor adj deposition) | US-PGPUB; USPAT | OR | OFF | 2004/05/25 18:47 |

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| S59 | 85 | (gas adj discharge)and electrode and (physical adj vapor adj deposition) | US-PGPUB; USPAT | OR | OFF | 2004/05/25 18:48 |
| S60 | 32 | (chemically adj inert adj surface)and (physical vapor adj deposition) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:14 |
| S61 | 7 | (chemically adj inert adj surface)and (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:20 |
| S62 | 0 | (inert adj surface)with (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:21 |
| S63 | 14 | (carbon adj coating)with (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:40 |
| S64 | 0 | (metal adj electrode)with (carbon adj coating) with (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:28 |
| S65 | 0 | (electrode)with (carbon adj coating) with (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:28 |
| S66 | 4 | (electrode)with (carbon adj coating) and (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:38 |
| S67 | 688 | (carbon adj coating) and ((physical adj vapor adj deposition)(chemical adj vapor adj deposition)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:29 |
| S68 | 46233 | gas adj discharge | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:34 |
| S69 | 18 | ((carbon adj coating) and ((physical adj vapor adj deposition)(chemical adj vapor adj deposition))) and (gas adj discharge) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:34 |
| S70 | 1 | (carbon adj coating) with (physical adj vapor adj deposition)not diamond | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:41 |

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| S71 | 62 | (carbon adj coating) with (chemical adj vapor adj deposition)not diamond | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 14:41 |
| S72 | 0 | (surge adj(arrester protector)) with (carbon near coating)and (sputtering pvd cvd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:30 |
| S73 | 0 | (surge adj(arrester protector)) same (carbon near coating)and (sputtering pvd cvd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:30 |
| S74 | 0 | (surge adj(arrester protector)) and (carbon near coating)and (sputtering pvd cvd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:30 |
| S75 | 0 | (surge adj(arrester protector)) and (carbon near coating)and (pvd cvd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:31 |
| S76 | 3 | (surge adj(arrester protector)) and (carbon near coating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:33 |
| S77 | 0 | (surge adj(arrester protector)) and (carbon near coating)and sputter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:33 |
| S78 | 0 | (carbon near coating)with sputtering with (electron adj emission) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:34 |
| S79 | 3 | ((carbon near coating)with sputtering) and (electron adj emission) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:35 |
| S80 | 180 | (carbon adj coating) and (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 15:45 |
| S81 | 6 | ("3546711" "3579645" "3685059" "3707006" "3797113" "3849887").PN. | USPAT | OR | OFF | 2004/05/27 15:40 |
| S82 | 935 | (carbon with coating) and (physical adj vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/27 16:04 |
| S83 | 3 | ((("5616373") or ("5547714") or ("6071797"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/27 16:05 |

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| S84 | 20 | (carbon adj film adj deposition)with (sputtering PVD CVD) | US-PGPUB; USPAT | OR | OFF | 2004/05/27 16:07 |
| S85 | 740 | (carbon adj film)with (sputtering PVD CVD) | US-PGPUB; USPAT | OR | OFF | 2004/05/27 16:11 |
| S86 | 1 | (carbon adj film)with (sputtering PVD CVD)with spraying | US-PGPUB; USPAT | OR | OFF | 2004/05/27 16:18 |
| S87 | 1 | ("4407849").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/27 17:24 |
| S88 | 1 | ("5296011").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/27 16:34 |
| S89 | 324 | methane with "C.sub.2 H.sub.4" | USPAT | OR | OFF | 2004/05/27 16:42 |
| S90 | 1 | ("3604970").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/05/27 16:42 |
| S91 | 576 | carbon near3 metal near3 coating | USPAT | OR | OFF | 2004/05/27 16:45 |
| S92 | 39 | (carbon adj coating)with (chromium CR) | USPAT | OR | OFF | 2004/05/27 16:50 |
| S93 | 0 | chromium adj carbon adj coating | USPAT | OR | OFF | 2004/05/27 16:51 |
| S94 | 3 | chromium adj carbon adj film | USPAT | OR | OFF | 2004/05/27 16:51 |
| S95 | 26 | "3604970".URPN. | USPAT | OR | OFF | 2004/05/27 16:52 |
| S96 | 388 | graphite with titanium with coating | USPAT | OR | OFF | 2004/05/27 17:26 |
| S97 | 45 | (diamond adj coating)with (titanium chromium) | USPAT | OR | OFF | 2004/05/27 17:26 |
| S98 | 133267 | ((coating film layer) with (carbon graphite diamond))with ((physical adj vapor adj deposition)PVD) ((chemical adj vapor adj deposition)CVD) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 09:54 |
| S99 | 50 | ((coating film layer) with (carbon graphite diamond))WITH((physical adj vapor adj deposition)(chemical adj vapor adj deposition)) AND (GAS ADJ DISCHARGE) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 10:06 |
| S100 | 6 | ((coating film layer) with (carbon graphite diamond))WITH((physical adj vapor adj deposition)(chemical adj vapor adj deposition))WITH (ELECTRODE CATHODE ANODE) AND (GAS ADJ DISCHARGE) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 10:06 |
| S101 | 8 | ("5536193" "5861707" "5982095" "6097139" "6181056" "6281626" "6441550" "6534923").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/06 10:37 |

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| S10 2 | 0 | ELECTRODE WITH (INERT ADJ SURFACE) WITH (PHYSICAL ADJ VAPOR ADJ DEPOSITION) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 10:39 |
| S10 3 | 0 | ELECTRODE WITH (CARBON ADJ COATING) WITH (PHYSICAL ADJ VAPOR ADJ DEPOSITION) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 10:39 |
| S10 4 | 6 | ELECTRODE WITH (CARBON ADJ FILM) WITH (PHYSICAL ADJ VAPOR ADJ DEPOSITION) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/03/06 10:39 |
| S10 5 | 8 | ("5550066" "5821622" "6103558" "6114183" "6195196" "6246179" "6372558" "6420758").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/06 10:41 |
| S10 6 | 70 | (pVd cvD)WITH (GRAPHITE ADJ COATING FILM LAYER)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/03/06 10:42 |
| S10 7 | 73 | "4859493" | US-PGPUB; USPAT | OR | OFF | 2005/03/06 11:43 |
| S10 8 | 1767 | (361/120,91,117,118).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/03/06 12:26 |
| S10 9 | 833 | ((coating film layer)with (((physical adj vapor adj deposition)PVD) ((chemical adj vapor adj deposition)CVD))) AND (GAS ADJ DISCHARGE)and electrode | USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:07 |
| S11 0 | 66 | ((coating film layer)with spraying with (((physical adj vapor adj deposition)PVD) ((chemical adj vapor adj deposition)CVD))) AND (GAS ADJ DISCHARGE)and electrode | USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:10 |
| S11 1 | 0 | ((coating film layer)with spraying with (((physical adj vapor adj deposition)PVD) ((chemical adj vapor adj deposition)CVD)))with advantage AND (GAS ADJ DISCHARGE)and electrode | USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:11 |
| S11 2 | 18 | ((overvoltage adj arrester)(voltage adj protector)(surge adj protector)(gas adj discharge)(lightning adj protector))and (electrode with (coating film layer)) and (vapor adj deposition) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:47 |

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| S11 3 | 14 | ((overvoltage adj arrester)(voltage adj protector)(surge adj protector)(gas adj discharge)(lightning adj protector))and (electrode with carbon with(coating film layer)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:54 |
| S11 4 | 373 | ((carbon adj film)(diamond adj fim))with deposition with (CvD pvd) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/10/21 17:55 |
| S11 5 | 1 | 1988-272652.NRAN. | DERWENT | OR | ON | 2005/10/21 18:02 |
| S11 6 | 619 | (gas adj discharge)and ((electrode filament) with (coating film layer)) and ((Pvd cvd)(physical adj vapor adj deposition) (chemical adj vapor adj deposition))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:19 |
| S11 7 | 1 | ((gas adj discharge)(voltage adj surge adj protector)(Surge adj arrester)(surge adj absorber)(surge adj protector)(overvoltage adj protector))and (electrode near5 (coating with (graphite diamond carbon))) and (chemical adj vapor adj deposition)and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:27 |
| S11 8 | 1 | ((gas adj discharge)(voltage adj surge adj protector)(Surge adj arrester)(surge adj absorber)(surge adj protector)(overvoltage adj protector))and (electrode near5 (coating with (graphite diamond carbon))) and (physical adj vapor adj deposition)and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:27 |
| S11 9 | 11 | ((gas adj discharge)(voltage adj surge adj protector)(Surge adj arrester)(surge adj absorber)(surge adj protector)(overvoltage adj protector))and (electrode near5 (coating with (graphite diamond carbon))) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:34 |
| S12 0 | 1 | ((carbon adj coating)with (physical adj vapor adj deposition) with advantage) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:36 |

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| S12 1 | 0 | ((carbon adj coating)with (physical adj vapor adj deposition) with spraying) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 12:36 |
| S12 2 | 20 | ((carbon adj coating)with (physical adj vapor adj deposition)) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 15:08 |
| S12 3 | 132607 | ((carbon adj coating) with (physical adj vapor adj deposition)sputtering) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 15:12 |
| S12 4 | 1 | (inert adj coating) with (physical adj vapor adj deposition)and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 15:14 |
| S12 5 | 0 | (chemically adj inert adj coating) with (cvd (chemical adj vapor adj deposition)) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 15:15 |
| S12 6 | 616 | ((carbon graphite diamond gold platinum) adj coating) with (cvd (chemical adj vapor adj deposition)) and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:14 |
| S12 7 | 5 | ((("5439492") or ("4707384") or ("4645977") or ("4504519") or ("4486286")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/10 15:27 |
| S12 8 | 1 | ("5198263").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/10 16:15 |
| S12 9 | 10 | ("3549847" "3924034" "3925577" "4504519" "4649059" "4701317" "4756964" "4825049" "5071677").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/10 16:16 |
| S13 0 | 144745 | ("427"/\$.ccls.)(Electrode with coating)and (gas Near4 discharge) and deposition and ((physical adj vapor adj deposition) Pvd cvd(chemical adj vapor adj deposition))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:21 |
| S13 1 | 94 | ("427"/\$.ccls.)and(Electrode with coating)and (gas Near4 discharge) and deposition and ((physical adj vapor adj deposition) Pvd cvd(chemical adj vapor adj deposition))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:22 |

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| S13 2 | 25 | ("427"/\$.ccls.)and(Electrode with coating)and (gas adj discharge) and deposition and ((physical adj vapor adj deposition) Pvd cvd(chemical adj vapor adj deposition))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:36 |
| S13 3 | 0 | (carbon adj coating)with spraying with ((physical adj vapor adj deposition)(chemical adj vapor adj deposition))and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:40 |
| S13 4 | 11 | (carbon adj coating) with ((physical adj vapor adj deposition)(chemical adj vapor adj deposition))and spraying and @ad<"20010925" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 16:43 |
| S13 5 | 45 | ((chemical adj vapor adj deposition)and (carbon adj (film coating layer)))ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 17:04 |
| S13 6 | 5 | ("4565618" "4869923" "4992298" "5015494" "5053180").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/10 16:45 |
| S13 7 | 6 | ("3944686" "4725345" "4743522" "4816286" "4816291" "4869923").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/10 16:47 |
| S13 8 | 2400 | (chemical adj vapor adj deposition)and (carbon adj (film coating layer))and (bonding adhesion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 17:06 |
| S13 9 | 13 | (chemical adj vapor adj deposition)with (carbon adj (film coating layer))with(bonding adhesion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 17:14 |
| S14 0 | 0 | (physical adj vapor adj deposition)with (carbon adj (film coating layer))with(bonding adhesion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 17:15 |
| S14 1 | 54 | (cvd pvd)with (carbon adj (film coating layer))with (bonding adhesion) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/11/10 17:15 |